

UNCLASSIFIED



Lessons Learned

Tropical Season 2003

LCDR Marc Steiner

Deputy Fleet Oceanographer

Marc.steiner@navy.mil

(757) 836-5801

UNCLASSIFIED

Overview



- **Review Lessons Learned categories**
- **Discuss terms of reference within Atlantic Fleet AOR**
- **Conduct HURREX 03**
- **Evaluate and establish course of action based on “new” lessons learned**

UNCLASSIFIED



Lessons Learned Categories



- **Weather Limits**
- **Heavy Weather and Contingency Plans**
- **Sortie Command and Control**
- **Pierside Preparation for Afloat Units**
- **Communications**

**Visit Navy Lessons Learned Database
(NLLDB) at www.nwdc.navy.smil.mil**

UNCI BRAV
O D

Weather Limits



Regional Commanders need to be aware of limits as applied to installations and support to afloat units

- **ENSURE THAT EQUIPMENT, ANTENNAE, ETC ARE PROPERLY SECURED FOR SEA/HEAVY WEATHER**
- **INSPECT ALL MOUNTING BRACKETS AND WELDS TO ENSURE THEY ARE IN GOOD CONDITION**



Heavy Weather and Contingency Plans

ENSURE THAT YOUR CONTINGENCY, EVACUATION AND RECOVERY PLANS ARE WELL THOUGH OUT AND CLEAR TO YOUR PERSONNEL

- ***DO ALCON UNDERSTAND THE VARIOUS CONDITIONS OF READINESS AND SORTIE CONDITIONS, WHO ORDERS THEM, WHO ATTAINMENT REPORTS SHOULD GO TO, AND WHAT COMMS METHODS SHOULD BE USED?***
- ***WHO WILL BE YOUR ESSENTIAL PERSONNEL? HOW WILL THEY KNOW IT? HOW WILL CIVILIAN AUTHORITIES AND SECURITY PERSONNEL KNOW IT?***

UNCLASSIFIED

Sortie Command and Control



ENSURE THAT YOUR SORTIE AND EVASION PLANS ARE CLEAR AND EXECUTABLE BY ALL UNITS, INCLUDING THOSE WITH LIMITED COMMAND AND CONTROL CAPABILITIES

- ***ENSURE THAT SUFFICIENT LEAD TIME IS ALLOWED TO COMPLETE MAINTENANCE AND CRANE OPERATIONS UNDER FAVORABLE WIND CONDITIONS WHILE STILL ALLOWING UNITS TO MEET SORTIE TIMELINES***
- ***ENSURE THAT YOU HAVE MADE PROVISIONS FOR ANY FOREIGN VESSELS***

UNCLASSIFIED



Pierside Preparation

- ***DO YOUR PLANS ENSURE ADEQUATE POWER, CHT, AND OTHER SHORE SERVICES THAT MAY BE DISCONNECTED WHEN PREPARING FOR HEAVY WEATHER ?***
- ***WILL ANY NONSTANDARD MOORING LINEUPS BE SAFE DURING HIGH WINDS? WILL TUGS BE REQUIRED TO MAINTAIN THE MOOR?***



Communications

- **CELL PHONES MAY NOT WORK CONSISTENTLY AS A STORM APPROACHES**
- **ENSURE THAT PERSONNEL HAVE CLEAR GUIDANCE ON WHAT NUMBERS TO CALL FOR INFORMATION**
- **REMEMBER THAT SOME COMMANDS AND PERSONNEL MAY NOT HAVE INTERNET ACCESS OR ADEQUATE COMPUTERS)**
- **MAINTAIN THE ABILITY TO SEND AND RECEIVE NAVAL MESSAGE TRAFFIC IF NECESSARY**

Terms of Reference



- **Inconsistency between guidance and instructions caused confusion**
- **Condition of Readiness (based upon onset of winds)**
 - **Ordered (setting)**
 - **Attained**
 - **Can be modified based on forecast conditions**
- **Destructive Winds (currently defined as 50 KTS in CNRMA guidance)**

UNCLASSIFIED

HURREX '03



Purpose: Exercise afloat and shore-based Atlantic Fleet Commands in **disaster preparedness**.

Participants: All COMLANTFLT afloat units and shore activities..

■ **21 Apr to 02 May 03 (Tentative)**

- Exercise runs 24/7 with exercise "time out" over 26-27 Apr weekend
- Action required after normal working hours handled by duty section personnel
- No civilian overtime authorized
- Emphasis on *preparation* for hurricane season
- Announcement Message NLT 14 Mar 2003

UNCLASSIFIED

UNCLASSIFIED

Sample Timeline for Norfolk



Tropical Cyclone **COR V**
Destructive winds within **96**
hrs

Tropical Cyclone **COR IV**
Destructive winds within **72**
hrs

Tropical Cyclone **COR III**
Destructive winds within **48**
hrs

Tropical Cyclone **COR II**
Destructive winds within **24**
hrs

Tropical Cyclone **COR I**
Destructive winds within **12**
hrs

Sortie Condition **C**
prep to sortie within **36 to 48**
hrs

Sortie Condition **B**
sortie expected within **24 hrs**

Sortie Condition **A**
commence sortie (takes 24 hrs)

Hampton Roads sortie decision point ***approximately*** when storm reaches northern Bahamas

UNCLASSIFIED

Conditions of Readiness (COR's)

UNCLASSIFIED



- **Destructive winds: Sustained winds >50 KTS**
- **COR V - Sustained winds of >35 KTS possible within 96 HRS**
- **COR IV- Sustained winds of >35 KTS possible within 72 HRS**
- **COR III - Destructive winds possible within 48 HRS**
- **COR II - Destructive winds anticipated within 24 HRS**
- **COR I - Destructive winds anticipated within 12 HRS**

**NOTE: Forthcoming guidance may define
Destructive Winds as 35 KTS**

UNCLASSIFIED

The Way Ahead



- **Prior to HURREX, message will announce common terms of reference guidance along with reporting procedures**
- **Commands should evaluate effectiveness of guidance and procedures and provide feedback via Lessons Learned after HURREX**
- **HURREX LOI (ALLANTFLT Msg) will delineate procedure for reporting**